

Grzegorz SÅ,owik

List of Publications by Year in descending order

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51
papers

925
citations

394421

19
h-index

501196

28
g-index

51
all docs

51
docs citations

51
times ranked

1148
citing authors

#	ARTICLE	IF	CITATIONS
1	The Influence of Active Phase Composition and Reaction Temperature on the Catalytic Properties of K-Promoted Co-Ni/CeO ₂ Catalysts in the Steam Reforming of Ethanol. <i>Catalysis Letters</i> , 2023, 153, 1505-1526.	2.6	2
2	Synthesis and characterization of a novel composites derived from SBA-15 mesoporous silica and iron pentacarbonyl. <i>Journal of Colloid and Interface Science</i> , 2022, 608, 2421-2429.	9.4	2
3	Interactions between Nanoclay, CTAB and Linear/Star Shaped Polymers. <i>International Journal of Molecular Sciences</i> , 2022, 23, 3051.	4.1	2
4	Tuning the properties of the cobalt-zeolite nanocomposite catalyst by potassium: Switching between dehydration and dehydrogenation of ethanol. <i>Journal of Catalysis</i> , 2022, 407, 364-380.	6.2	12
5	The Effects of Ce and W Promoters on the Performance of Alumina-Supported Nickel Catalysts in CO ₂ Methanation Reaction. <i>Catalysts</i> , 2022, 12, 13.	3.5	1
6	Ni-Re alloy catalysts on Al ₂ O ₃ for methane dry reforming. <i>International Journal of Hydrogen Energy</i> , 2022, 47, 16528-16543.	7.1	15
7	Effect of Potassium Promoter on the Performance of Nickel-Based Catalysts Supported on MnO _x in Steam Reforming of Ethanol. <i>Catalysts</i> , 2022, 12, 600.	3.5	6
8	Co/CeO ₂ and Ni/CeO ₂ catalysts for ethanol steam reforming: Effect of the cobalt/nickel dispersion on catalysts properties. <i>Journal of Catalysis</i> , 2021, 393, 159-178.	6.2	43
9	Influence of composition and morphology of the active phase on the catalytic properties of cobalt-nickel catalysts in the steam reforming of ethanol. <i>Materials Chemistry and Physics</i> , 2021, 258, 123970.	4.0	17
10	Enhanced Performance of LiAlO _{1.1} Mn _{1.9} O ₄ Cathode for Li-Ion Battery via TiN Coating. <i>Energies</i> , 2021, 14, 825.	3.1	5
11	Recycling of Waste Solution after Hydrothermal Conversion of Fly Ash on a Semi-Technical Scale for Zeolite Synthesis. <i>Materials</i> , 2021, 14, 1413.	2.9	30
12	The effect of La ₂ O ₃ and CeO ₂ modifiers on properties of Ni-Al catalysts for LNG prereforming. <i>International Journal of Hydrogen Energy</i> , 2021, 46, 11664-11676.	7.1	6
13	Optimization of the potassium promotion of the Co/Al ₂ O ₃ catalyst for the effective hydrogen production via ethanol steam reforming. <i>Applied Catalysis A: General</i> , 2021, 614, 118051.	4.3	24
14	Heterostructural Mixed Oxides Prepared via ZnAlLa LDH or ex-ZnAl LDH Precursors—Effect of La Content and Its Incorporation Route. <i>Materials</i> , 2021, 14, 2082.	2.9	3
15	Direct Conversion of Carbon Dioxide to Methane over Ceria- and Alumina-Supported Nickel Catalysts for Biogas Valorization. <i>ChemPlusChem</i> , 2021, 86, 889-903.	2.8	9
16	The state of BEA zeolite supported nickel catalysts in CO ₂ methanation reaction. <i>Applied Surface Science</i> , 2021, 564, 150421.	6.1	18
17	Ecofriendly K-decorated ZnO/Zn(Al,La) ₂ O ₄ catalyst for hydrogen production — Effect of heterostructure on catalyst activity at steam-clean process gas. <i>Fuel</i> , 2021, 302, 121067.	6.4	0
18	Effects of support composition on the performance of nickel catalysts in CO ₂ methanation reaction. <i>Catalysis Today</i> , 2020, 357, 468-482.	4.4	56

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19	Bioethanol Steam Reforming over Cobalt-Containing USY and ZSM-5 Commercial Zeolite Catalysts. <i>Frontiers in Materials</i> , 2020, 7, .	2.4	8
20	Investigation of the Inhibiting Role of Hydrogen in the Steam Reforming of Methanol. <i>ChemCatChem</i> , 2019, 11, 3264-3278.	3.7	10
21	Flash-Calcined CuZnAl-LDH as High-Activity LT-WGS Catalyst. <i>European Journal of Inorganic Chemistry</i> , 2019, 2019, 1792-1798.	2.0	9
22	CO ₂ Methanation in the Presence of Ce-Promoted Alumina Supported Nickel Catalysts: H ₂ S Deactivation Studies. <i>Topics in Catalysis</i> , 2019, 62, 524-534.	2.8	33
23	Hydrogen production by steam reforming of ethanol over Co/CeO ₂ catalysts: Effect of cobalt content. <i>Journal of the Energy Institute</i> , 2019, 92, 222-238.	5.3	38
24	Redox Behavior of a Copper-Based Methanol Reformer for Fuel Cell Applications. <i>Energy Technology</i> , 2018, 6, 1332-1341.	3.8	12
25	Structural and surface changes of cobalt modified manganese oxide during activation and ethanol steam reforming reaction. <i>Applied Surface Science</i> , 2018, 440, 1047-1062.	6.1	36
26	Evolution of the structure of unpromoted and potassium-promoted ceria-supported nickel catalysts in the steam reforming of ethanol. <i>Applied Catalysis B: Environmental</i> , 2018, 221, 490-509.	20.2	52
27	Tuning nano-nickel selectivity with tin in flow hydrogenation of 6-methyl-5-hepten-2-one by surface organometallic chemistry modification. <i>Catalysis Today</i> , 2018, 308, 38-44.	4.4	10
28	Steam Reforming of Methanol over Nanostructured Pt/TiO ₂ and Pt/CeO ₂ Catalysts for Fuel Cell Applications. <i>Catalysts</i> , 2018, 8, 544.	3.5	27
29	Effects of dealumination on the performance of Ni-containing BEA catalysts in bioethanol steam reforming. <i>Applied Catalysis B: Environmental</i> , 2018, 237, 94-109.	20.2	52
30	P-Arylation of secondary phosphine oxides catalyzed by nickel-supported nanoparticles. <i>Organic Chemistry Frontiers</i> , 2018, 5, 2079-2085.	4.5	22
31	Nickel catalysts supported on silica microspheres for CO ₂ methanation. <i>Microporous and Mesoporous Materials</i> , 2018, 272, 79-91.	4.4	55
32	Catalytic activity of cobalt grafted on ordered mesoporous silica materials in N ₂ O decomposition and CO oxidation. <i>Molecular Catalysis</i> , 2017, 437, 57-72.	2.0	13
33	Photocatalytic Reduction of CO ₂ Over CdS, ZnS and Core/Shell CdS/ZnS Nanoparticles Deposited on Montmorillonite. <i>Journal of Nanoscience and Nanotechnology</i> , 2017, 17, 4041-4047.	0.9	21
34	Surface State and Catalytic Performance of Ceria-Supported Cobalt Catalysts in the Steam Reforming of Ethanol. <i>ChemCatChem</i> , 2017, 9, 782-797.	3.7	34
35	Effect of metal precursor and pretreatment conditions on the catalytic activity of Ni/C in the aqueous phase hydrodechlorination of 1,1,2-trichloroethene. <i>Reaction Kinetics, Mechanisms and Catalysis</i> , 2017, 121, 3-16.	1.7	12
36	Combustion-synthesized Li _x Mn ₂ O ₄ -based spinel nanorods as cathode materials for lithium-ion batteries. <i>Chemical Engineering Journal</i> , 2017, 311, 191-202.	12.7	24

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37	Precipitation of Zinc Oxide Nanoparticles Under UV-Irradiation. Journal of Nanoscience and Nanotechnology, 2017, 17, 4805-4811.	0.9	5
38	Application of microemulsion method for development of methanol steam reforming Pd/ZnO catalysts. Journal of Thermal Analysis and Calorimetry, 2016, 125, 1265-1272.	3.6	2
39	Chromium-modified zinc oxides. Journal of Thermal Analysis and Calorimetry, 2016, 125, 1205-1215.	3.6	10
40	Microscopic characterization of changes in the structure of KCo/CeO ₂ catalyst used in the steam reforming of ethanol. Materials Chemistry and Physics, 2016, 173, 219-237.	4.0	17
41	The effect of copper on benzene hydrogenation to cyclohexane over Ni/Al ₂ O ₃ catalyst. Applied Catalysis A: General, 2016, 523, 54-60.	4.3	13
42	Flow hydrogenation of p-nitrophenol with nano-Ag/Al ₂ O ₃ . RSC Advances, 2016, 6, 87564-87568.	3.6	19
43	Estimation of Average Crystallites Size of Active Phase in Ceria-Supported Cobalt-Based Catalysts by Hydrogen Chemisorption vs TEM and XRD Methods. Catalysis Letters, 2016, 146, 2173-2184.	2.6	19
44	Steam reforming and oxidative steam reforming of ethanol over PtKCo/CeO ₂ catalyst. Fuel, 2016, 183, 518-530.	6.4	37
45	Tetrachloromethane as an Effective Agent to Transform Nanoparticles of Palladium and Gold in Supported Catalysts. ChemCatChem, 2016, 8, 2625-2629.	3.7	4
46	The effects of cetyltrimethylammonium bromide surfactant on alumina modified zinc oxides. Materials Research Bulletin, 2016, 78, 36-45.	5.2	3
47	Structural and surface changes of copper modified manganese oxides. Applied Surface Science, 2016, 370, 536-544.	6.1	17
48	Advantages of stainless steel sieves as support for catalytic N ₂ O decomposition over K-doped Co ₃ O ₄ . Catalysis Today, 2015, 257, 2-10.	4.4	22
49	Comparative study on steam and oxidative steam reforming of ethanol over 2KCo/ZrO ₂ catalyst. Catalysis Today, 2015, 242, 50-59.	4.4	27
50	The mechanism of the CH ₄ /O ₂ reaction on the Pd/Pt- γ -Al ₂ O ₃ catalyst: A SSITKA study. Applied Catalysis B: Environmental, 2014, 160-161, 298-306.	20.2	11
51	Nanocrystalline thin films statistical structural analysis by the automatic image processing. Proceedings of SPIE, 2013, , .	0.8	0